1. Let Z have a standard normal distribution. Calculate the following probabilities.

   (a) $P(Z < 0.67)$

   (b) $P(Z > 1.32)$

   (c) $P(-1.10 < Z < 0.49)$

2. Let Y be a normal random variable with mean -3 and standard deviation 4. Calculate the following probabilities.

   (a) $P(Y < -5)$

   (b) $P(Y > -9)$

   (c) $P(0 < Y < 1)$